user terminal relative to the high altitude devices changes. The gateway terminal transmits to and receives from the user terminals through the high altitude devices using a plurality of datagrams.

A1

IN THE SPECIFICATION:

Please replace paragraph 3 on page 2, lines 6-11 with the following rewritten paragraph:

A2

In one aspect of the invention, a communication system has a plurality of high altitude devices that are coupled to user terminals through a plurality of dynamic links. The terminal monitors and changes the multiple dynamic links as the position of the user terminal relative to the high altitude devices changes. The gateway terminal transmits to and receives from the user terminals through the high altitude devices using a plurality of datagrams.

Please replace paragraph 8 on page 3, lines 19 and 20 with the following rewritten paragraph:

A3

Figures 7A, 7B and 7C are flow diagrammatic views for receiving datagrams according to the present invention.

Please replace paragraph 9 on page 3, lines 21 and 22 with the following rewritten paragraph:

A4

Figure 8 is an organizational view of a software implementation of the present invention.

Please replace the paragraph bridging pages 5 and 6 (i.e., page 5, lines 23-27 and page 6, lines 1-9) with the following rewritten paragraph:

A5

Communications platforms 18 are used as a communication node for gateway station 20 and user terminals 16F and 16M. Gateway station 20 has antennas 21A, 21B and 21C corresponding to a respective one of the high altitude communications platforms 18A, 18B and 18C. As will be described

below, the pointing from mobile terminals 16M may be performed electronically. Although only one gateway station 20 is illustrated in the figure, those skilled in the art would recognize that various numbers of interconnected gateway stations 20 may be employed. As would be further described below, gateway station 20 with high gain antenna 21A, 21B 21C that has a narrow beam width. The antenna may need a tracking mechanism with tracking speed adequate enough to maintain a communication link with the platform 18 throughout the flight path. Gateway station 20 may be coupled to a gateway control circuit 22 which is ultimately connected to the Internet 25, or a corporate intranet.

A5

Please replace the paragraph bridging pages 9 and 10 (i.e., page 9, lines 22-28 and page 10, lines 1-14) with the following rewritten paragraph:

The links or beams are coupled to a demodulator 56 which demodulates signals and recovers the information in various packages or datagrams. The recovered information is provided to routing circuit 58 which has a hub and router circuit 76 coupled to a routing table 78 which is updated from direction control circuit 60. Hub and router circuit 76 is coupled to a transport circuit 80 which in turn is coupled to an applications circuit 82. As will be further described below, each user link has only a portion of the total signal to be received. These signal portions are referred to as datagrams in the present invention. Hub and router 76 receives various datagrams from the different user links 26 and reassembles them. The various datagrams may not arrive in a sequential order. Thus, hub and router 76 assembles them and may have to shuffle the datagram packets to provide the desired reassembled signal. Once receiving an entire communication segment, transport circuit 80 couples the signal to various applications within the device such as a web browser or other programs. It should be noted that the fragments must all be reassembled in order to provide a coherent message. If any of the fragments are lost, the transport layer will order a retransmit of the missing portion of the datagram. The terminal may start a reassembly timer when it receives an initial fragment.

A6